

LNet Unit Test Framework (LUTF)

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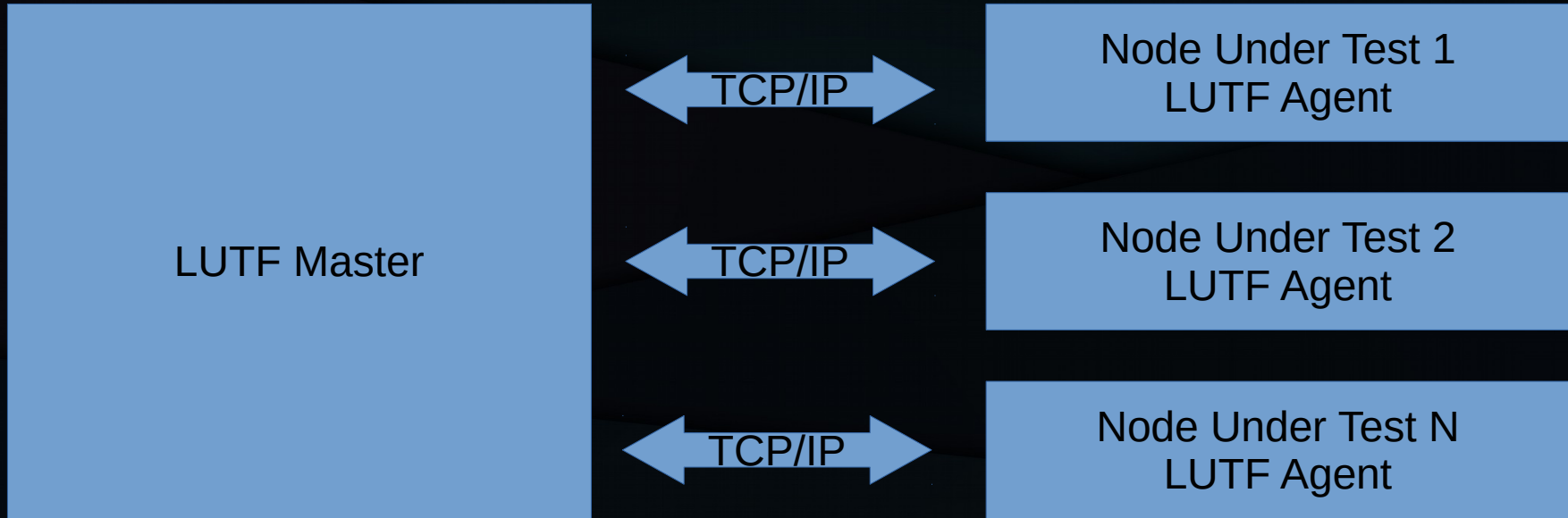
LUTF Purpose

- Functionally test LNet via:
 - using Inetctl for configuration
 - using liblnetconfig for configuration
 - generating traffic and monitoring status
- Standardize on Python 3 for test scripting
- Create an expandable test infrastructure which may be adopted for other purposes

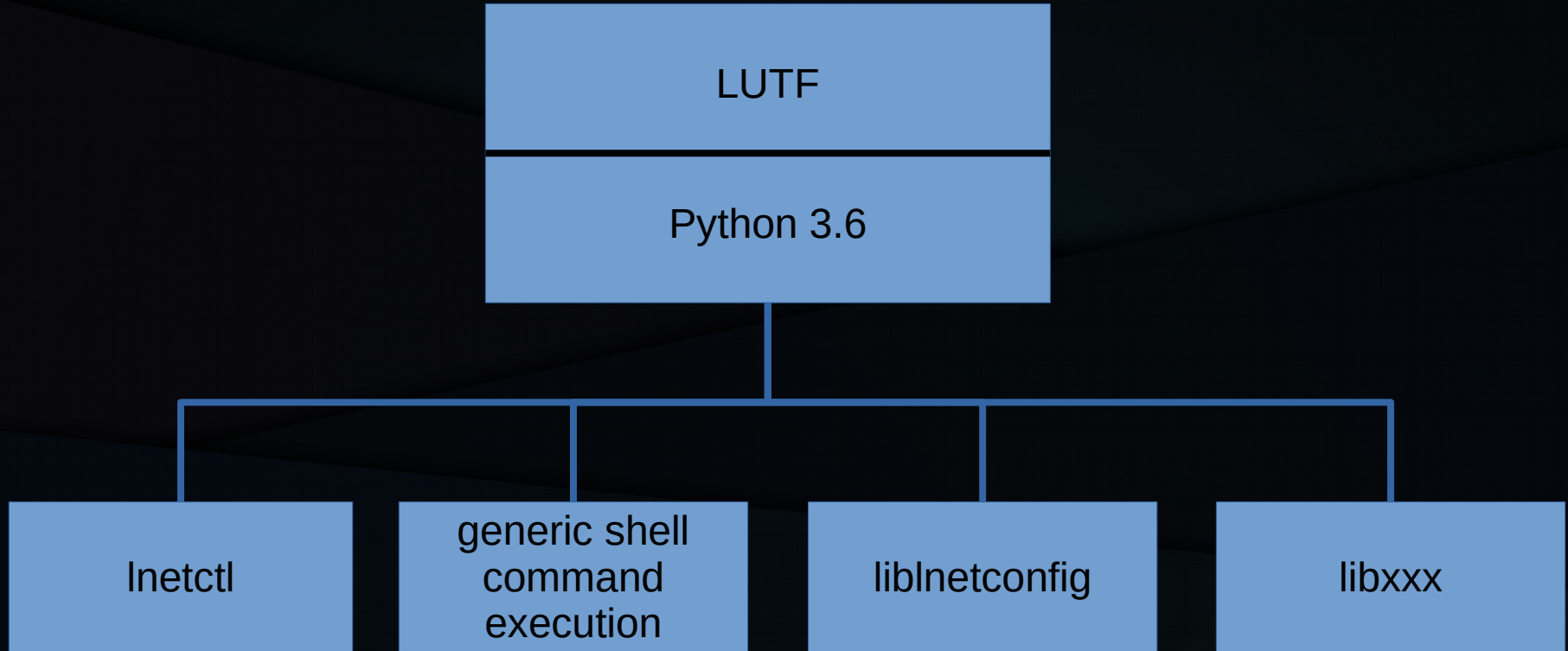
LUTF Overview

- Allows seamless remote python script execution
 - Maintains state of executed scripts
- Collects results of script execution

LUTF Slave/Master Architecture



LUTF Layers



SWIG

- LUTF core is built in C
- LUTF core is responsible for IPC
- LUTF core embeds a python 3.6 interpreter
- C libraries are wrapped in SWIG which allows python scripts to call them directly
 - liblnetconfig

More Details

- LUTF High Level Design
 - <https://wiki.whamcloud.com/x/aXCjAw>